Georgios I Gkatzelis

List of Publications by Year
in descending order

30	1,480	331259 21	454577 30
papers	citations	h-index	g-index

52	52	52	1771
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Wintertime photochemistry in Beijing: observations of RO_{<i>x</i>} radical concentrations in the North China Plain during the BEST-ONE campaign. Atmospheric Chemistry and Physics, 2018, 18, 12391-12411.	1.9	177
2	Fast Photochemistry in Wintertime Haze: Consequences for Pollution Mitigation Strategies. Environmental Science & Technology, 2019, 53, 10676-10684.	4.6	147
3	Volatile chemical product emissions enhance ozone and modulate urban chemistry. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	103
4	The global impacts of COVID-19 lockdowns on urban air pollution. Elementa, 2021, 9, .	1.1	94
5	The contribution of wood burning and other pollution sources to wintertime organic aerosol levels in two Greek cities. Atmospheric Chemistry and Physics, 2017, 17, 3145-3163.	1.9	87
6	Mutual promotion between aerosol particle liquid water and particulate nitrate enhancement leads to severe nitrate-dominated particulate matter pollution and low visibility. Atmospheric Chemistry and Physics, 2020, 20, 2161-2175.	1.9	74
7	Ubiquitous atmospheric production of organic acids mediated by cloud droplets. Nature, 2021, 593, 233-237.	13.7	71
8	Identifying Volatile Chemical Product Tracer Compounds in U.S. Cities. Environmental Science & Technology, 2021, 55, 188-199.	4.6	60
9	Secondary organic aerosols from anthropogenic volatile organic compounds contribute substantially to air pollution mortality. Atmospheric Chemistry and Physics, 2021, 21, 11201-11224.	1.9	60
10	Observations Confirm that Volatile Chemical Products Are a Major Source of Petrochemical Emissions in U.S. Cities. Environmental Science & Technology, 2021, 55, 4332-4343.	4.6	57
11	Large contribution of biomass burning emissions to ozone throughout the global remote troposphere. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	51
12	Ozone chemistry in western U.S. wildfire plumes. Science Advances, 2021, 7, eabl3648.	4.7	45
13	Urban Oxidation Flow Reactor Measurements Reveal Significant Secondary Organic Aerosol Contributions from Volatile Emissions of Emerging Importance. Environmental Science & Technology, 2020, 54, 714-725.	4.6	44
14	Importance of isomerization reactions for OH radical regeneration from the photo-oxidation of isoprene investigated in the atmospheric simulation chamber SAPHIR. Atmospheric Chemistry and Physics, 2020, 20, 3333-3355.	1.9	44
15	Volatility of source apportioned wintertime organic aerosol in the city of Athens. Atmospheric Environment, 2017, 158, 138-147.	1.9	38
16	Nighttime and daytime dark oxidation chemistry in wildfire plumes: an observation and model analysis of FIREX-AQ aircraft data. Atmospheric Chemistry and Physics, 2021, 21, 16293-16317.	1.9	34
17	Variability and Time of Day Dependence of Ozone Photochemistry in Western Wildfire Plumes. Environmental Science & Technology, 2021, 55, 10280-10290.	4.6	31
18	Rapid cloud removal of dimethyl sulfide oxidation products limits SO ₂ and cloud condensation nuclei production in the marine atmosphere. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	28

#	Article	IF	Citations
19	Volatile organic compound emissions from solvent- and water-borne coatings â€“ compositional differences and tracer compound identifications. Atmospheric Chemistry and Physics, 2021, 21, 6005-6022.	1.9	24
20	Uptake of Waterâ€soluble Gasâ€phase Oxidation Products Drives Organic Particulate Pollution in Beijing. Geophysical Research Letters, 2021, 48, e2020GL091351.	1.5	24
21	Formaldehyde evolution in US wildfire plumes during the Fire Influence on Regional to Global Environments and Air Quality experiment (FIREX-AQ). Atmospheric Chemistry and Physics, 2021, 21, 18319-18331.	1.9	24
22	Measurement of nonvolatile particle number size distribution. Atmospheric Measurement Techniques, 2016, 9, 103-114.	1.2	22
23	Investigation of the oxidation of methyl vinyl ketone (MVK) by OH radicals in the atmospheric simulation chamber SAPHIR. Atmospheric Chemistry and Physics, 2018, 18, 8001-8016.	1.9	22
24	Airborne extractive electrospray mass spectrometry measurements of the chemical composition of organic aerosol. Atmospheric Measurement Techniques, 2021, 14, 1545-1559.	1.2	20
25	Gas-to-particle partitioning of major biogenic oxidation products: a study on freshly formed and aged biogenic SOA. Atmospheric Chemistry and Physics, 2018, 18, 12969-12989.	1.9	18
26	Comparison of three aerosol chemical characterization techniques utilizing PTR-ToF-MS: a study on freshly formed and aged biogenic SOA. Atmospheric Measurement Techniques, 2018, 11, 1481-1500.	1.2	17
27	Chemical Tomography in a Fresh Wildland Fire Plume: A Large Eddy Simulation (LES) Study. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD035203.	1.2	16
28	Airborne Emission Rate Measurements Validate Remote Sensing Observations and Emission Inventories of Western U.S. Wildfires. Environmental Science & Technology, 2022, 56, 7564-7577.	4.6	15
29	Novel Analysis to Quantify Plume Crosswind Heterogeneity Applied to Biomass Burning Smoke. Environmental Science & Technology, 2021, 55, 15646-15657.	4.6	11
30	Air quality observations onboard commercial and targeted Zeppelin flights in Germany â€“ a platform for high-resolution trace-gas and aerosol measurements within the planetary boundary layer. Atmospheric Measurement Techniques, 2022, 15, 3827-3842.	1.2	1